

What is claimed is:

1. A spectrophotometer system, comprising:

a probe tip including one or more light sources and a plurality of light receivers;

a first spectrometer system receiving light from a first set of the plurality of light receivers;

5 a second spectrometer system receiving light from a second set of the plurality of light receivers;

a processor, wherein the processor receives data generated by the first spectrometer system and the second spectrometer system, wherein an optical measurement of a sample under test is produced based on the data generated by the first and second spectrometer systems.

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11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100